

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059619.D
 Acq On : 17 Dec 2019 12:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/18/2019 10:05:00 AM

Quant Time: Dec 18 05:55:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	240109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	384046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	355345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	149628	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
35) Dibromofluoromethane	7.56	113	105669	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
50) Toluene-d8	10.08	98	424648	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
62) 4-Bromofluorobenzene	12.40	95	154499	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	176913	57.019	ug/l	99
3) Chloromethane	2.04	50	268838	54.601	ug/l	99
4) Vinyl Chloride	2.17	62	249057	53.341	ug/l	98
5) Bromomethane	2.54	94	148549	54.727	ug/l	100
6) Chloroethane	2.68	64	146029	55.648	ug/l	98
7) Trichlorofluoromethane	3.00	101	286808	55.985	ug/l	100
8) Diethyl Ether	3.38	74	88350	55.196	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	138409	53.612	ug/l	99
10) Methyl Iodide	3.92	142	185487	54.272	ug/l	100
11) Tert butyl alcohol	4.74	59	168910	263.694	ug/l	100
12) 1,1-Dichloroethene	3.71	96	132565	52.638	ug/l	97
13) Acrolein	3.58	56	79716	174.706	ug/l	99
14) Allyl chloride	4.29	41	271806	52.574	ug/l	100
15) Acrylonitrile	4.95	53	433256	279.626	ug/l	100
16) Acetone	3.78	43	514976	248.255	ug/l	99
17) Carbon Disulfide	4.02	76	419969	48.694	ug/l	99
18) Methyl Acetate	4.29	43	226374	52.079	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	492268	55.360	ug/l	98
20) Methylene Chloride	4.52	84	162359	54.194	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	151711	54.037	ug/l	99
22) Diisopropyl ether	5.92	45	546142	57.300	ug/l	100
23) Vinyl Acetate	5.86	43	2366477	316.380	ug/l	100
24) 1,1-Dichloroethane	5.82	63	302213	55.974	ug/l	100
25) 2-Butanone	6.80	43	671868	270.853	ug/l	100
26) 2,2-Dichloropropane	6.79	77	275142	56.071	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	175735	56.488	ug/l	99
28) Bromochloromethane	7.17	49	111862	49.312	ug/l	99
29) Tetrahydrofuran	7.18	42	413593	273.655	ug/l	100
30) Chloroform	7.34	83	298041	56.081	ug/l	98
31) Cyclohexane	7.63	56	270817	53.085	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	259029	54.063	ug/l	99
36) 1,1-Dichloropropene	7.77	75	229798	57.377	ug/l	99
37) Ethyl Acetate	6.90	43	260697	56.005	ug/l	100
38) Carbon Tetrachloride	7.75	117	231237	55.640	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	262258	57.729	ug/l	98
40) Benzene	8.02	78	657435	56.170	ug/l	99
41) Methacrylonitrile	7.14	41	92671	48.239	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	255023	56.896	ug/l	100
43) Isopropyl Acetate	8.14	43	414047	57.211	ug/l	100
44) Trichloroethene	8.81	130	170227	55.526	ug/l	100
45) 1,2-Dichloropropane	9.10	63	180382	57.072	ug/l	97
46) Dibromomethane	9.19	93	117100	56.552	ug/l	100
47) Bromodichloromethane	9.39	83	240688	58.301	ug/l	100
48) Methyl methacrylate	9.18	41	188733	57.480	ug/l	98
49) 1,4-Dioxane	9.18	88	56918	1209.623	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1285155	297.837	ug/l	100
52) Toluene	10.14	92	404542	56.253	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	276616	57.935	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	293586	58.497	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	161470	57.219	ug/l	99
56) Ethyl methacrylate	10.42	69	253089	60.413	ug/l	99
57) 1,3-Dichloropropane	10.70	76	286002	58.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	468226	351.422	ug/l	100
59) 2-Hexanone	10.74	43	1003006	294.936	ug/l	99
60) Dibromochloromethane	10.89	129	181086	58.795	ug/l	100
61) 1,2-Dibromoethane	11.00	107	169601	56.669	ug/l	98
64) Tetrachloroethene	10.62	164	159462	48.139	ug/l	99
65) Chlorobenzene	11.43	112	430846	56.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	161984	55.465	ug/l	99
67) Ethyl Benzene	11.51	91	795119	57.291	ug/l	99
68) m/p-Xylenes	11.62	106	592458	115.603	ug/l	99
69) o-Xylene	11.94	106	281593	57.746	ug/l	100
70) Styrene	11.96	104	463390	59.145	ug/l	100
71) Bromoform	12.12	173	130258	59.335	ug/l #	99
73) Isopropylbenzene	12.25	105	757262	55.504	ug/l	100
74) N-amyl acetate	12.07	43	357844	57.180	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	237298	54.831	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224763m	52.240	ug/l	
77) Bromobenzene	12.52	156	182438	54.375	ug/l	99
78) n-propylbenzene	12.59	91	913714	56.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	529458	54.292	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	650282	56.323	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95951	55.082	ug/l	98
82) 4-Chlorotoluene	12.77	91	561612	56.246	ug/l	99
83) tert-Butylbenzene	12.99	119	541558	55.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	652684	56.852	ug/l	100
85) sec-Butylbenzene	13.17	105	743378	57.156	ug/l	99
86) p-Isopropyltoluene	13.29	119	675507	57.345	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	332551	53.901	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	326900	52.553	ug/l	100
89) n-Butylbenzene	13.61	91	626847	56.759	ug/l	100
90) Hexachloroethane	13.87	117	125666	56.438	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	324885	53.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58744	50.059	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205711	52.357	ug/l	99
94) Hexachlorobutadiene	15.01	225	103961	50.776	ug/l	99
95) Naphthalene	15.12	128	598890	51.059	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	198020	49.831	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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